

Luis Dale Gascon

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EDUCATION

Towson University

Master's of Science in Computer Science

Towson, MD

May 2026

Towson University

Bachelor's of Science in Computer Science GPA: 3.8/4.0

Towson, MD

December 2024

WORK EXPERIENCE

Towson University

General Computer Science Teaching Assistant

Towson, MD

Aug 2024 – Present

- Instruct students on binary, decimal, and hexadecimal counting systems, and mastering the conversion techniques between them
- Assist students in lab sessions by setting up their development environments such as text editors and compilers, allowing them to focus on applying classroom knowledge in practice
- Provide one-on-one tutoring and academic support to students, resulting in a measurable improvement in class average grades and student satisfaction
- Assist in the grading and assessment of assignments and exams, developing a keen eye for detail and provided unbiased feedback to enhance student's comprehension

SecurEd

Junior Software Developer

Towson, MD

May 2024 – Aug 2024

- Collaborated in the rewrite of legacy RESTful API microservices into a monolith with improved error logging and developer experience
- Wrote extensive unit and end-to-end tests using Jest for each API endpoint implemented, ensuring high code coverage and enhanced reliability
- Designed and implement Python scripts to automate modifications on local development environments
- Developed GraphQL queries and Mongo aggregations to allow filtering of information on dynamic web pages

SKILLS

Languages: Python, Java, C++, HTML, CSS, TypeScript, Swift

Technologies: Linux, Git, Heroku, Docker, PostgreSQL, GraphQL, MongoDB, Jest

Frameworks: SvelteKit, Flask, Gradle, Astro, React, Angular

PROJECTS

Classroom Tours | *Astro, Supabase, Tailwind CSS, React*

- A modern rewrite of Towson University's CCLT website that showcases the different technologies that a classroom offers
- Incorporated Hugging Face's Inference API to quickly implement a question-and-answer bot for frequent classroom AV problems
- Utilized Supabase backend-as-a-service to host the entire backend

EXTRACURRICULAR

Hack UMBC

- Awarded the Adobe track prize for developing an innovative Adobe Express add-on, leveraging the PubChem API to enable users to seamlessly query and embed chemical structure images directly into their projects.

Software Engineering Club

- Hosted multiple workshops on topics such as basic terminal commands and introduction to static site generators
- Led data structures and algorithms practice sessions twice a week to improve students' technical interview performance